Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (previously presented). A process for drawing a gel-spun multi-filament yarn comprising the steps of:

- a) forming a gel-spun polyethylene multi-filament feed yarn comprising a
 polyethylene having an intrinsic viscosity in decalin at 135°C of from 5 dl/g to 35
 dl/g, fewer than two methyl groups per thousand carbon atoms, and less than 2
 wt.% of other constituents;
- b) passing said feed yarn at a speed of V₁ meters/minute into a forced convection air oven having a yarn path length of L meters, wherein one or more zones are present along the yarn path having zone temperatures from 130°C to160°C and wherein the air circulation in said oven is in a turbulent state;
- c) passing said feed yarn continuously through said oven and out of said oven at an exit speed of V_2 meters/minute wherein the following equations are satisfied

$$0.25 \le L/V_1 \le 20$$
, min
 $1.5 \le V_2/V_1 \le 20$
 $1 \le (V_2 - V_1)/L \le 60$, min⁻¹
 $0.55 \le 2L/(V_1 + V_2) \le 10$, min.

2 (original). The process of claim 1 additionally satisfying the condition that the mass throughput of yarn passing through the oven is at least 0.25 grams/minute per yarn end.

3 (original). The process of claim 1 wherein the yarn is drawn at constant tension throughout the oven neglecting the effect of air drag.

4 (withdrawn). The process of claim 1 wherein the yarn is drawn at increasing tension through the oven.

5 (currently amended) The process of claim 1 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 8 dl/g to 30 dl/g, fewer than one methyl group groups per thousand carbon atoms, and less than 1 wt.% of other constituents, said feed yarn having a tenacity from 6 to 76 g/d as measured by ASTM D2256-97.

6 (original). The process of claim 5 wherein the feed yarn has a tenacity from 11 to 66 g/d.

7 (original). The process of claim 5 wherein the feed yarn has a tenacity from 16 to 56 g/d.

8 (original). The process of claim 5 wherein the feed yarn has a tenacity from 21 g/d to 51 g/d.

9 (original). The process of claim 5 wherein the feed yarn has a tenacity from 26 g/d to 46 g/d.

10 (original). The process of claim 5 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 10 dl/g to 25 dl/g.

11 (original). The process of claim 5 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 12 dl/g to 20 dl/g, fewer than 0.5 methyl groups per thousand carbon atoms, and less than 0.5 wt.% of other constituents, said feed yarn having a tenacity from 21 to 51 g/d.

12 (previously presented). A process for drawing a gel-spun multi-filament yarn comprising the steps of:

- a) forming a gel-spun polyethylene multi-filament feed yarn comprising a polyethylene having an intrinsic viscosity in decalin at 135°C of from 5 dl/g to 35 dl/g, fewer than two methyl groups per thousand carbon atoms, and less than 2 wt.% of other constituents;
- b) passing said feed yarn at a speed of V₁ meters/minute into a forced convection air oven having a yarn path length of L meters, wherein one or more zones are present along the yarn path having zone temperatures from 130°C to 160°C and wherein the air circulation in said oven is in a turbulent state;
- c) passing said feed yarn continuously through said oven and out of said oven at an exit speed of V_2 meters/minute wherein the following equations are satisfied

$$1 \le L/V_1 \le 20$$
, min
 $1.5 \le V_2/V_1 \le 20$
 $0.01 \le (V_2 - V_1)/L \le 1$, min⁻¹
 $1.1 \le 2L/(V_1 + V_2) \le 10$, min.

13 (original). The process of claim 12 additionally satisfying the condition that the mass throughput of yarn passing through the oven is at least 0.25 grams/minute per yarn end.

14 (original) The process of claim 12 wherein the yarn is drawn at constant tension throughout the oven neglecting the effect of air drag.

15 (withdrawn). The process of claim 12 wherein the yarn is drawn at increasing tension through the oven.

16 (original). The process of claim 12 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 8 dl/g to 30 dl/g, fewer than one methyl groups per thousand carbon atoms, and comprising less than 1 wt.% of other constituents, said feed yarn having a tenacity from 5 to 76 g/d as measured by ASTM D2256-97.

17 (original). The process of claim 12 wherein the feed yarn has a tenacity from 11 to 66 g/d.

18 (original). The process of claim 12 wherein the feed yarn has a tenacity from 16 to 56 g/d.

19 (original). The process of claim 12 wherein the feed yarn has a tenacity from 21 to 51 g/d.

20 (original). The process of claim 12 wherein the feed yarn has a tenacity from 26 to 46 g/d.

21 (original). The process of claim 12 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 10 dl/g to 25 dl/g.

22 (original). The process of claim 12 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 12 dl/g to 20 dl/g, fewer than 0.5 methyl groups per thousand carbon atoms, and less than 0.5 wt.% of other constituents, said feed yarn having a tenacity from 21 to 51 g/d.

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Amendment Under 37 CFR §1.111

Response to Office Action dated November 16, 2006

23 (withdrawn). A gel-spun polyethylene multifilament yarn drawn by the process of

claim 1.

24 (withdrawn). A gel-spun polyethylene multifilament yarn drawn by the process of

claim 12.

25 (previously presented). The process of claim 1 additionally satisfying the condition

that the mass throughput of yarn passing through the oven is at least 0.42 grams/minute

per yarn end.

26 (previously presented). The process of claim 1 additionally satisfying the condition

that the mass throughput of yarn passing through the oven is more than 0.5 grams/minute

per yarn end.

27 (previously presented). The process of claim 1 additionally satisfying the condition

that the mass throughput of yarn passing through the oven is more than 1 grams/minute

per yarn end.

28 (previously presented). The process of claim 1 additionally satisfying the condition

that the mass throughput of yarn passing through the oven is more than 4 grams/minute

per yarn end.

29 (previously presented). A process for drawing a gel-spun multi-filament yarn

comprising the steps of:

(a) forming a gel-spun polyethylene multi-filament feed yarn comprising a

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polyethylene having an intrinsic viscosity in decalin at 135°C of from 5 dl/g to 35 dl/g, fewer than two methyl groups per thousand carbon atoms, and less than 2 wt.% of other constituents;

- (b) passing said feed yarn at a speed of V₁ meters/minute into a forced convection air oven having a yarn path length of L meters, wherein one or more zones are present along the yarn path having zone temperatures from 130°C to 160°C;
- (c) passing said feed yarn continuously through said oven and out of said oven at an exit speed of V_2 meters/minute wherein at least one of the following sets of equations are satisfied

I.
$$0.25 \le L/V_1 \le 20$$
, min $1.5 \le V_2/V_1 \le 20$ $1 \le (V_2 - V_1)/L \le 60$, min $0.55 \le 2L/(V_1 + V_2) \le 10$, min and

II.
$$1 \le \mathbf{L}/\mathbf{V}_1 \le 20$$
, min $1.5 \le \mathbf{V}_2/\mathbf{V}_1 \le 20$ $0.01 \le (\mathbf{V}_2 - \mathbf{V}_1)/\mathbf{L} \le 1$, min $1.1 \le 2\mathbf{L}/(\mathbf{V}_1 + \mathbf{V}_2) \le 10$, min,

and wherein the mass throughput of yarn passing through the oven is more than 0.5 grams/minute per yarn end.

30 (previously presented). The process of claim 29 wherein the mass throughput of yarn passing through the oven in more than 1 grams/minute per yarn end.

31 (previously presented). The process of claim 29 wherein the air circulation in said oven is in a turbulent state.

32 (previously presented). The process of claim 29 wherein said feed yarn is in an essentially undrawn state prior to passing said feed yarn into said oven.

33 (previously presented). The process of claim 29 including the steps of winding up said feed yarn on a creel and subsequently feeding said feed yarn from said creel into said oven.

34 (previously presented). A process for drawing a gel-spun multi-filament yarn consisting essentially of the steps of:

- (a) forming a gel-spun polyethylene multi-filament feed yarn comprising a polyethylene having an intrinsic viscosity in decalin at 135°C of from 5 dl/g to 35 dl/g, fewer than two methyl groups per thousand carbon atoms, and less than 2 wt.% of other constituents;
- (d) passing said feed yarn at a speed of V₁ meters/minute into a forced convection air oven having a yarn path length of L meters, wherein one or more zones are present along the yarn path having zone temperatures from 130°C to 160°C;
- (e) passing said feed yarn continuously through said oven and out of said oven at an exit speed of V_2 meters/minute wherein at least one of the following sets of equations are satisfied

I.
$$0.25 \le L/V_1 \le 20$$
, min
$$1.5 \le V_2/V_1 \le 20$$
$$1 \le (V_2 - V_1)/L \le 60$$
, min
$$0.55 \le 2L/(V_1 + V_2) \le 10$$
, min and

II.
$$1 \le L/V_1 \le 20 \text{, min}$$

$$1.5 \le V_2/V_1 \le 20$$

$$0.01 \le (V_2 - V_1)/L \le 1 \text{, min}^{-1}$$

$$1.1 \le 2L/(V_1 + V_2) \le 10 \text{, min}.$$